

Application No. 10/708,561
Response dated October 12, 2005
Reply to Office Action mailed October 3, 2005

AMENDMENTS TO THE CLAIMS

1. (Original) An automotive interior trim assembly comprising:

a substrate member forming at least part of a structural support of the trim assembly and including a moveable panel integrally formed in said substrate, said panel moveable between an open and closed position;

a flexible skin overlying at least a portion of said substrate member and integrally coupled to said substrate, said flexible skin and said substrate member defining a cavity having an opening, said cavity opening being accessible when said moveable panel is in the open position, said moveable panel covering said cavity opening when in the closed position; and

a resilient foam pad positioned within said cavity to provide a soft feel to said trim assembly, said foam pad insertable within said cavity when said panel is in the open position.

2. (Original) The trim assembly of claim 1 wherein said skin layer is integrally molded to said substrate member.

3. (Original) The trim assembly of claim 1 wherein said movable panel is integrally molded to said substrate member.

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4. (Original) The trim assembly of claim 1 wherein said movable panel includes a living hinge, said movable panel attached to said substrate member along said living hinge.

5. (Original) The trim assembly of claim 1 wherein said skin layer includes a recess, said movable panel includes a tab, said tab engaging said recess to secure said movable panel in the closed position.

6. (Original) The trim assembly of claim 1 configured as an armrest for an automobile.

7. (Original) An automotive interior panel having a trim assembly attached thereto, the trim assembly comprising:

a substrate member forming at least part of a structural support of the trim assembly and mounted to the door panel, said substrate including a moveable panel integrally coupled to said substrate, said panel moveable between an open and closed position;

a flexible skin overlying at least a portion of said substrate member and integrally coupled to said substrate, said flexible skin and said substrate member defining a cavity having an opening, said cavity opening being accessible when said moveable panel is in the open position, said moveable panel covering said cavity opening when in the closed position; and

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a resilient foam pad positioned within said cavity to provide a soft feel to said trim assembly, said foam pad insertable within said cavity when said panel is in the open position.

8. (Canceled) A method of inserting a resilient foam pad within a cavity of an automotive trim assembly using an insertion tool including a surface for supporting the foam pad, the surface having a plurality of apertures therein for pulling a vacuum, the method comprising:

placing the foam pad on the surface of the insertion tool;

pulling a vacuum on the foam pad through the plurality of apertures;

compressing the foam pad using the vacuum;

inserting the insertion tool and foam pad through an opening in the cavity while the foam pad is compressed;

releasing the vacuum when the foam pad is positioned in the cavity;

expanding the foam pad by releasing the vacuum; and

removing the insertion tool from the cavity.

9. (Canceled) The method of claim 8 further comprising:

placing a moveable panel over the opening of the cavity; and

securing the moveable panel in a closed position.

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10. (Canceled) The method of claim 9 wherein placing a moveable panel over the cavity opening comprises pivoting the moveable panel over the opening of the cavity.

11. (Canceled) A method of forming an automotive interior trim assembly comprising:

forming a substrate member comprising at least part of a structural support of the trim assembly and including a moveable panel integrally formed in said substrate, said panel moveable between an open and closed position.